

## CLAIMS

What is claimed is:

1. A method for generating source code comprising:
  - obtaining user specification for generating program code in a standard format language;
  - constructing a processing pipeline comprising one or more pairings of pipes and filters for processing data; and
  - translating said specifications into a program source code using said pipeline.
2. The method of claim 1 wherein said step of obtaining user specification further comprises presenting one or more data captures screens.
3. The method of claim 1 wherein said step of obtaining user specification further comprises writing out said specification in one or more XML data nodes.

4. The method of claim 1 wherein said step of obtaining user specification further comprises capturing user data for generating Enterprise JavaBeans.
5. The method of claim 1 wherein said step of obtaining user specification further comprises capturing user data for generating servlets.
6. The method of claim 1 wherein said step of obtaining user specification further comprises capturing user data for generating Java Server Pages.
7. The method of claim 1 wherein said step of obtaining user specification further comprises capturing user data for generating Java classes.
8. The method of claim 1 wherein said step of obtaining user specification further comprises using an API to specify user data.

9. The method of claim 1 wherein said step of obtaining user specification further comprises modifying a set of XSLT templates for generating source code.
10. The method of claim 1 wherein said step of constructing a processing pipeline further comprises reading configuration data.
11. The method of claim 1 wherein said step of constructing a processing pipeline further comprises looking up in a lookup table a set of appropriate filters.
12. The method of claim 1 wherein said step of constructing a processing pipeline further comprises selecting one or more XSLT templates.
13. The method of claim 1 wherein said step of constructing a processing pipeline further comprises connecting said one or more pairings of pipes and filters.
14. The method of claim 13 wherein said step of connecting said one or more pairings of pipes and filters further comprises performing said connecting based on a context.

15. The method of claim 1 wherein said step of translating said specifications further comprises calling an XSL engine.
16. The method of claim 1 wherein said step of translating said specifications further comprises streaming data between said one or more pairings of pipes and filters.
17. The method of claim 16 wherein said step of streaming data further comprises checking for errors in the data.
18. A computer program product comprising:  
a computer usable medium having computer readable program code for generating source code embodied therein, said computer readable program code configured to:
- obtain user specification for generating program code in a standard format language;
  - construct a processing pipeline comprising one or more pairings of pipes and filters for processing data; and
  - translate said specifications into a program source code using said pipeline.

19. The computer program product of claim 18 wherein said computer readable program code configured to obtain user specification further comprises presenting one or more data captures screens.

20. The computer program product of claim 18 wherein said computer readable program code configured to obtain user specification further comprises writing out said specification in one or more XML data nodes.

21. The computer program product of claim 18 wherein said computer readable program code configured to obtain user specification further comprises capturing user data for generating Enterprise JavaBeans.

22. The computer program product of claim 18 wherein said computer readable program code configured to obtain user specification further comprises capturing user data for generating servlets.

23. The computer program product of claim 18 wherein said computer readable program code configured to obtain user specification further comprises capturing user data for generating Java Server Pages.

24. The computer program product of claim 18 wherein said computer readable program code configured to obtain user specification further comprises capturing user data for generating Java classes.

25. The computer program product of claim 18 wherein said computer readable program code configured to obtain user specification further comprises using an API for specifying user data.

26. The computer program product of claim 18 wherein said computer readable program code configured to obtain user specification further comprises modifying a set of XSLT templates for generating source code.

27. The computer program product of claim 18 wherein said computer readable program code configured to construct a processing pipeline further comprises reading configuration data.

28. The computer program product of claim 18 wherein said computer readable program code configured to construct a processing pipeline further comprises looking up in a lookup table a set of appropriate filters.

29. The computer program product of claim 18 wherein said computer readable program code configured to construct a processing pipeline further comprises selecting one or more XSLT templates.
30. The computer program product of claim 18 wherein said computer readable program code configured to construct a processing pipeline further comprises connecting said one or more pairings of pipes and filters.
31. The computer program product of claim 30 wherein said computer readable program code configured to connect said one or more pairings of pipes and filters further comprises performing said connecting based on a context.
32. The computer program product of claim 18 wherein said computer readable program code configured to translate said specifications further comprises calling an XSL engine.
33. The computer program product of claim 18 wherein said computer readable program code configured to translate said specifications

further comprises streaming data between said one or more pairings of pipes and filters.

34. The computer program product of claim 33 wherein said computer readable program code configured to stream data further comprises checking for errors in the data.

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